

Notice of Allowability

Application No.

10/800,853

Examiner

Christopher Onuaku

Applicant(s)

KIKUCHI ET AL.

Art Unit

2616

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to ____.
2. ☒ The allowed claim(s) is/are 17-20 (now renumbered 1-4, respectively).
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date ____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 3/16/04
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date ____.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other ____.

CC

DETAILED ACTION

Terminal Disclaimer

1. The terminal disclaimer filed on 6/9/05 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of US Application Serial Nos. 10/417,214; 10/800,644; 10/800,654; 10/800,655; 10/800,661; 10/800,686; 10/800,689; 10/800,690; 10/800,760; 10/800,761; 10/800,762; 100/800,851; 10/800,852; 10/800,855; 10/800,856; 11/004,899; 11/004,900; 11/004,931; 11/005,002; 11/005,017; 11/005,022; 11/005,024; 11/005,026; 11/005,047; 11/005,048; 11/005,050; and 11/005,051, and for Patent No. 6,580,872 has been reviewed and is accepted. The terminal disclaimer has been recorded.

Allowable Subject Matter

2. Claims 17-20 are allowable over the prior art of record.
3. The following is a statement of reasons for the indication of allowable subject matter:

Regarding claim 17, the invention relates to a digital video system (apparatus and method) capable of real-time recording, and an information recording medium (recordable optical disc) used in this system.

The closest reference Nakai et al (US 5,999,698) disclose a digital video disk or digital versatile disk (DVD disk) capable of recording image and audio data on a signal

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recording medium and reproducing them in synchronism with each other, and a reproduction system therefor.

However, Nakai et al fail to explicitly disclose an information recording medium configured to have data recorded thereon and data reproduced therefrom by an information recording/reproducing apparatus, the data including audio/video data and control information for managing the audio/video data, where the information recording medium comprises a management area separate from the data area and configured to store control information, wherein the control information includes the movie AV file information having M_AVFI general information and one or more movie VOB search pointers, the movie AV file information includes movie video object information corresponding to the video object, the control information includes original PGC information, the original PGC information includes PGC general information, program information corresponding to a program, and a plurality of pieces of cell information corresponding to cells, one piece of the cell information includes cell general information and one or more pieces of cell entry point information corresponding to cell entry points of the cell, the cell general information includes information of a type of the cell, movie VOB search pointer numeral information of one of the movie VOB search pointers corresponding to the video object of the cell, information describing a number of the cell entry point information, information describing a presentation start time of the cell, and information describing a presentation end time of the cell.

Regarding claim 19, the invention relates to a digital video system (apparatus and method) capable of real-time recording, and an information recording medium (recordable optical disc) used in this system.

The closest reference Nakai et al (US 5,999,698) disclose a digital video disk or digital versatile disk (DVD disk) capable of recording image and audio data on a signal recording medium and reproducing them in synchronism with each other, and a reproduction system therefor.

However, Nakai et al fail to explicitly disclose a method of recording information on an information recording medium, where the information recording medium comprises a management area separate from the data area and configured to store control information, wherein the control information includes the movie AV file information having M_AVFI general information and one or more movie VOB search pointers, the movie AV file information includes movie video object information corresponding to the video object, the control information includes original PGC information, the original PGC information includes PGC general information, program information corresponding to a program, and a plurality of pieces of cell information corresponding to cells, one piece of the cell information includes cell general information and one or more pieces of cell entry point information corresponding to cell entry points of the cell, the cell general information includes information of a type of the cell, movie VOB search pointer numeral information of one of the movie VOB search pointers corresponding to the video object of the cell, information describing a number of the cell

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entry point information, information describing a presentation start time of the cell, and information describing a presentation end time of the cell.

Regarding claim 20, the invention relates to a digital video system (apparatus and method) capable of real-time recording, and an information recording medium (recordable optical disc) used in this system.

The closest reference Nakai et al (US 5,999,698) disclose a digital video disk or digital versatile disk (DVD disk) capable of recording image and audio data on a signal recording medium and reproducing them in synchronism with each other, and a reproduction system therefor.

However, Nakai et al fail to explicitly disclose a method of reproducing information from an information recording medium, where the information recording medium comprises a management area separate from the data area and configured to store control information, wherein the control information includes the movie AV file information having M_AVFI general information and one or more movie VOB search pointers, the movie AV file information includes movie video object information corresponding to the video object, the control information includes original PGC information, the original PGC information includes PGC general information, program information corresponding to a program, and a plurality of pieces of cell information corresponding to cells, one piece of the cell information includes cell general information and one or more pieces of cell entry point information corresponding to cell entry points of the cell, the cell general information includes information of a type of the cell, movie

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VOBI search pointer numeral information of one of the movie VOB search pointers corresponding to the video object of the cell, information describing a number of the cell entry point information, information describing a presentation start time of the cell, and information describing a presentation end time of the cell.

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Ozaki et al (US 5,991,798) teach a technique for reading data from a WWW (World Wide Web) server or a package medium such as a CD-ROM or a DVD-ROM and displaying the read data by using HTML (hyper Text Markup Language).

Heo (US 6,741,796) teaches a digital versatile disk (DVD), and an apparatus and method for playing the DVD, including an audio DVD and an apparatus and method for playing the same.

Katayama (US 5,902,115) teaches a karaoke recording medium, a method and apparatus for reproducing karaoke data from a karaoke recording medium, and a method and apparatus for recording karaoke data on a recording medium.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher Onuaku whose telephone number is 571-272-7379. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Groody can be reached on 571-272-7950. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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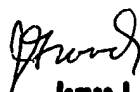
NOTE: Effective July 15, 2005, the Central Fax Number will change to 571-273-8300.

Faxes sent to the old number (703-872-9306) will be routed to the new number until September 15, 2005.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


COO

10/27/05


James J. Groody
Supervisory Patent Examiner
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